

67,200-262
1999-545

PLANAR SPIRAL INDUCTOR STRUCTURE HAVING ENHANCED Q VALUE

ABSTRACT OF THE DISCLOSURE

Within a method for fabricating an inductor structure there is first provided a substrate. There is then formed over the substrate a planar spiral conductor layer to form a planar spiral inductor, wherein a successive series of spirals within the planar spiral conductor layer is formed with a variation in at least one of: (1) a series of linewidths of the successive series of spirals; and (2) a series of spacings of the successive series of spirals. The method contemplates a planar spiral inductor structure fabricated in accord with the method. A planar spiral inductor structure fabricated in accord with the method is characterized by an enhanced Q value of the planar spiral inductor structure.